

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Alexander G. Macinnis, et al.

**ELECTRONICALLY FILED
On March 30, 2007**

U.S. Serial No.: 09/642,458

Filed: August 18, 2000

For: VIDEO AND GRAPHICS SYSTEM
WITH AN INTEGRATED SYSTEM
BRIDGE CONTROLLER

Examiner: Brier, Jeffery A.

Group Art Unit: 2628

Confirmation No.: 7111

**LITIGATION STATEMENT PURSUANT TO MPEP § 2001.06(C) and INFORMATION
DISCLOSURE STATEMENT**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The owner of record of the present application, Broadcom Corporation, is currently involved in a patent infringement action with Qualcomm, Inc., Case No. 06-CV-0660 B, pending in the Southern District of California.

Pursuant to MPEP 2001.06(c), the Applicants would like to bring to the attention of the U.S. Patent and Trademark Office that the subject matter currently being claimed in the present application may be related to at least one of the patents currently asserted by Broadcom in the above-mentioned lawsuit.

The Applicants have also attached with this electronic submission a completed PTO form PTO/SB/08A which has seven (7) pages. Copies of each printed reference listed in the PTO/SB/08A form are attached with this electronic submission. Applicants, however, have not

submitted U.S. Patents or other references previously provided to or by the PTO in this application. Fifty-seven (57) references are attached in this electronic submission.

The references being submitted have been either cited, produced or relied upon by Qualcomm thus far during the above-mentioned lawsuit. This submission is in no way intended as an admission that the submitted references constitute prior art under any subsection of 35 U.S.C. §102 or §103. Applicant expressly retains the right to argue that any of the cited references are not indeed prior art or to take any actions necessary to remove any of the cited references from the available prior art.

The Examiner is requested to initial the attached PTO/SB/08A and return one copy to the applicants to indicate consideration of the attached references.

A fee in the amount of \$180 is believed to be due because:

- * The applicant(s) believe(s) that this statement and enclosures are being filed after the first Office action on the merits has been mailed by the PTO. The basis of this belief is that an Office action on the merits appears to have been received by the undersigned to date.

The Commissioner is hereby authorized to charge any fees which are presently required, or credit any overpayment, to Deposit Account No. 13-0017.

Respectfully submitted,

Date: March 30, 2007



Mirut P. Dalal
Reg. No. 44,502
McAndrews, Held & Malloy, Ltd.
500 West Madison Street, Suite 3400
Chicago, Illinois 60661
(312) 775-8000

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 7

Complete if Known

Application Number	09/642,458
Filing Date	August 18, 2000
First Named Inventor	Alexander G. Macinnis
Group Art Unit	2628
Examiner Name	Brier, Jeffery A.
Attorney Docket Number	17419US01

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number/Kind Code * (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	4,020,332	04-26-1977	Crochiere et al.	
	A2	4,367,466	01-04-1983	Takeda et al.	
	A3	4,532,547	07-30-1985	Bennett	
	A4	4,679,040	07-07-1987	Yan	
	A5	4,688,033	08-18-1987	Carini et al.	
	A6	4,954,970	09-04-1990	Walker et al.	
	A7	4,969,718	09-25-1990	Bennett	
	A8	4,967,392	10-30-1990	Werner et al.	
	A9	5,043,714	08-27-1991	Periman	
	A10	5,097,257	03-17-1992	Clough et al.	
	A11	5,142,273	08-26-1992	Wolbermin	
	A12	5,155,816	10-13-1992	Kohn	
	A13	5,258,747	11-02-1993	Oda et al.	
	A14	5,282,854	11-16-1993	Ng	
	A15	5,307,177	04-26-1994	Shibata et al.	
	A16	5,384,912	01-24-1995	Ogrinc et al.	
	A17	5,366,587	03-07-1995	Jass	
	A18	5,366,211	03-14-1995	Willenz et al.	
	A19	5,404,447	04-04-1995	Drako et al.	
	A20	5,418,535	05-23-1995	Mesuroci et al.	
	A21	5,432,900	07-11-1995	Rhodes et al.	
	A22	5,434,883	07-18-1995	Sekine et al.	
	A23	5,434,957	07-18-1995	Moller	
	A24	5,447,144	11-14-1995	Saeger et al.	
	A25	5,471,411	11-28-1995	Adams et al.	
	A26	5,515,077	05-07-1996	Tateyama	
	A27	5,526,054	06-11-1996	Greenfield et al.	
	A28	5,533,182	07-02-1996	Bates et al.	
	A29	5,546,103	06-13-1996	Rhodes et al.	
	A30	5,550,594	08-27-1996	Cooper et al.	
	A31	5,570,295	10-29-1996	Heyl et al.	
	A32	5,577,187	11-19-1996	Mariani	
	A33	5,600,364	02-04-1997	Hendricks et al.	
	A34	5,604,514	02-18-1997	Hancock	
	A35	5,614,952	03-25-1997	Boyce et al.	
	A36	5,615,376	03-25-1997	Ranganathan	
	A37	5,619,337	04-08-1997	Nairmpati	
	A38	5,621,869	04-15-1997	Drews	

EXAMINER
SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kind's Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Issue Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.57 and 1.58. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

Rev. Sept. 03

J:\OPEN\pubs\roadcom (1772)\Qualcomm\Litigation Statement & IDS Project\San Diego IV Litigation Statement & IDS\IDS & Litigation Statements\Fee\17419US01\17419US01 PTO SB08A

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 Of 7

Complete if Known

Application Number	09/642,458
Filing Date	August 18, 2000
First Named Inventor	Alexander G. Macinnis
Group Art Unit	2628
Examiner Name	Brier, Jeffery A.
Attorney Docket Number	17419US01

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-None Code * (if known)			
	A39	5,621,906	04-15-1997	O'Neill et al.	
	A40	5,625,611	04-29-1997	Yokota et al.	
	A41	5,625,764	04-29-1997	Tsujimoto et al.	
	A42	5,635,965	06-03-1997	Boyce et al.	
	A43	5,638,501	06-10-1997	Gough et al.	
	A44	5,640,543	06-17-1997	Farnell et al.	
	A45	5,664,162	09-02-1997	Dye	
	A46	5,694,143	12-02-1997	Fleider et al.	
	A47	5,696,527	12-09-1997	King et al.	
	A48	5,708,478	01-06-1998	Dye	
	A49	5,708,764	01-13-1998	Borrel et al.	
	A50	5,719,593	02-17-1998	De Lange	
	A51	5,727,084	03-10-1998	Pan et al.	
	A52	5,742,779	04-21-1998	Steele et al.	
	A53	5,745,095	04-28-1998	Parchem et al.	
	A54	5,748,963	05-05-1998	Gulick et al.	
	A55	5,751,879	05-12-1998	McCrory	
	A56	5,754,165	05-19-1998	Hsiao et al.	
	A57	5,757,377	05-26-1998	Bel-Loh Lee et al.	
	A58	5,756,177	05-28-1998	Gulick et al.	
	A59	5,761,516	06-02-1998	Rostoker et al.	
	A60	5,764,236	06-09-1998	Lum et al.	
	A61	5,790,136	08-04-1998	Hoffert et al.	
	A62	5,790,795	08-04-1998	Hough	
	A63	5,790,842	08-04-1998	Charles et al.	
	A64	5,793,445	08-11-1998	Lum et al.	
	A65	5,815,137	06-29-1998	Weatherford et al.	
	A66	5,828,383	10-27-1998	May et al.	
	A67	5,831,615	11-03-1998	Drewns et al.	
	A68	5,844,608	12-01-1998	Yu et al.	
	A69	5,864,345	01-28-1999	Wickstrom et al.	
	A70	5,867,166	02-02-1999	Myhrvold et al.	
	A71	5,870,622	02-09-1999	Gulick et al.	
	A72	5,874,907	02-23-1999	West et al.	
	A73	5,894,300	04-13-1999	Takizawa	
	A74	5,914,728	06-22-1999	Yamagishi et al.	
	A75	5,920,572	07-06-1999	Washington et al.	
	A76	5,920,682	07-06-1999	Shu et al.	
	A77	5,923,316	07-13-1999	Kitamura et al.	
	A78	5,923,385	07-13-1999	Mills et al.	
	A79	5,926,647	07-20-1999	Adams et al.	
	A80	5,940,069	08-17-1999	Dilliplane et al.	
	A81	5,941,968	08-24-1999	Mergard et al.	

EXAMINER**DATE CONSIDERED**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov/MPPEP/961.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3 Of 7

Complete if Known

Application Number	09/642,458
Filing Date	August 18, 2000
First Named Inventor	Alexander G. Macinnis
Group Art Unit	2628
Examiner Name	Brier, Jeffery A.
Attorney Docket Number	17419US01

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A82	5,949,432	09-07-1999	Gough et al.	
	A83	5,949,439	09-07-1999	Ben-Yoseph et al.	
	A84	5,951,544	09-14-1999	Lambrecht et al.	
	A85	5,956,041	09-21-1999	Koyanaka et al.	
	A86	5,959,526	09-28-1999	Garnison et al.	
	A87	5,959,537	09-28-1999	Mills et al.	
	A88	5,960,484	09-28-1999	Lam	
	A89	5,963,201	10-05-1999	McGreggor et al.	
	A90	5,963,262	10-05-1999	Ke et al.	
	A91	5,977,933	11-02-1999	Wichner et al.	
	A92	5,978,509	11-02-1999	Nachtergaele et al.	
	A93	5,982,351	11-09-1999	Joehl et al.	
	A94	5,982,459	11-09-1999	Fandrianto et al.	
	A95	5,987,555	11-16-1999	Alzien et al.	
	A96	5,002,411	12-14-1999	Dye	
	A97	5,002,882	12-14-1999	Garde	
	A98	5,005,545	12-21-1999	Keene	
	A99	5,006,303	12-21-1999	Barnaby et al.	
	A100	5,016,803	01-25-2000	Kardach	
	A101	5,023,302	02-08-2000	Macinnis et al.	
	A102	5,023,738	02-08-2000	Priem et al.	
	A103	5,028,583	02-22-2000	Hamburg	
	A104	5,036,031	03-14-2000	Murphy	
	A105	5,048,740	04-04-2000	LaRocche et al.	
	A106	5,064,678	05-16-2000	Slattery et al.	
	A107	5,078,305	06-20-2000	Nizutani	
	A108	5,081,854	06-27-2000	Priem et al.	
	A109	5,088,046	07-11-2000	Larson et al.	
	A110	5,088,355	07-11-2000	Mills et al.	
	A111	5,092,124	07-18-2000	Priem et al.	
	A112	5,094,226	07-25-2000	Ke et al.	
	A113	5,098,046	08-01-2000	Cooper et al.	
	A114	5,100,826	08-08-2000	Jeon et al.	
	A115	5,100,899	08-08-2000	Arnoline et al.	
	A116	5,105,048	08-15-2000	He	
	A117	5,108,014	08-22-2000	Dye	
	A118	5,111,896	08-29-2000	Slattery et al.	
	A119	5,121,978	09-19-2000	Miller	
	A120	5,124,865	09-26-2000	Melnerth et al.	
	A121	5,125,410	09-28-2000	Salbaum et al.	
	A122	5,133,901	10-17-2000	Law	
	A123	5,151,030	11-21-2000	DeLeeuw et al.	
	A124	5,151,074	11-21-2000	Werner	

EXAMINER**DATE CONSIDERED**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 909; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. *Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary))

Sheet 4 Of 7

Complete if Known

Application Number	09/642,458
Filing Date	August 18, 2000
First Named Inventor	Alexander G. Macinnis
Group Art Unit	2628
Examiner Name	Brier, Jeffery A.
Attorney Docket Number	17419US01

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code * (if known)			
	A125	6,157,415	12-05-2000	Glen	
	A126	6,157,978	12-05-2000	Ng et al.	
	A127	6,160,989	12-12-2000	Hendricks et al.	
	A128	6,167,486	12-28-2000	Larson et al.	
	A129	6,169,843	01-02-2001	Lenihan et al.	
	A130	6,184,906	02-06-2001	Chan et al.	
	A131	6,189,064	02-13-2001	Macinnis et al.	
	A132	6,199,131	03-06-2001	Melo et al.	
	A133	6,204,859	03-20-2001	Jouppi et al.	
	A134	6,205,260	03-20-2001	Grison et al.	
	A135	6,208,354	03-27-2001	Porter	
	A136	6,212,590	04-03-2001	Melo et al.	
	A137	6,229,550	05-08-2001	Gloudehans et al.	
	A138	6,239,810	05-29-2001	Van Hook et al.	
	A139	6,252,608	06-26-2001	Snyder et al.	
	A140	6,283,019	07-17-2001	Ryan	
	A141	6,283,396	07-17-2001	Cottie et al.	
	A142	6,286,072	07-24-2001	Koga et al.	
	A143	6,286,753	07-24-2001	Hook et al.	
	A144	6,289,107	07-31-2001	Jong	
	A145	6,271,826	08-07-2001	Poi et al.	
	A146	6,311,204	10-30-2001	Mills	
	A147	6,320,619	11-20-2001	Jiang	
	A148	6,326,984	12-04-2001	Chow et al.	
	A149	6,327,000	12-04-2001	Auld et al.	
	A150	6,335,746	01-01-2002	Enokida et al.	
	A151	6,337,703	01-08-2002	Konar et al.	
	A152	6,342,892	01-29-2002	Van Hook et al.	
	A153	6,351,471	02-26-2002	Roblnett et al.	
	A154	6,351,474	02-26-2002	Roblnett et al.	
	A155	6,362,827	03-26-2002	Ohba	
	A156	6,380,945	04-30-2002	Macinnis et al.	
	A157	6,411,333	06-25-2002	Auld et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†*
		Country Code * Number * Kind Code * (if known)				
	B1	EP 0746116 A2	12-04-1996	Hiratsuka		
	B2	EP 0 752 895	01-08-1997	O'Sullivan		
	B3	EP 0840276 A2	05-06-1998	Bembassat		
	B4	EP 0840277 A2	05-06-1998	Chauvel		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Exer Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 5 Of 7

Complete if Known

Application Number	08/642,458
Filing Date	August 18, 2000
First Named Inventor	Alexander G. MacInnis
Group Art Unit	2628
Examiner Name	Brier, Jeffery A.
Attorney Docket Number	17419US01

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ² Number ³ Kind Code ⁴ (if known)	MM-DD-YYYY			
	B5	EP 0 840 505	05-06-1998	Chauvel		
	B6	GB 2287627 A	03-01-1995	Wong		
	B7	WO 94/10641	05-11-1994	Mical		
	B8	WO 00/28518	05-18-2000	MacInnis		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Includes name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	Plaintiff and Counterdefendant Qualcomm Incorporated's Preliminary Invalidity Contentions For U.S. Patent 5,501,480 and 5,570,579
	C2	Thomas Porter & Tom Duff, "Compositing Digital Images", Computer Graphics, Vol. 16, No. 3, July 1984, pp. 253-259
	C3	Akeley, K. & Jermoluk T., "High-Performance Polygon Rendering," 22 Computer Graphics No. 4 (ACM August 1988).
	C4	Aggar, B., et al., "A Display System for the Stellar Graphics Superconductor Model G31000," 22 Computer Graphics No. 4 (ACM August 1988).
	C5	Asai, M.D., et al., "Novel Architecture for a High Performance Full Custom Graphics Processor," (IEEE 1989).
	C6	Awaga, M., et al., "3D Graphics Processor Chip Set," (IEEE December 1995).
	C7	Cox, M. & Bhandari, N., "Architectural Implications of Hardware-Accelerated Bucket Rendering on the PC," (Association for Computing Machinery SIGGRAPH/Eurographics Workshop 1997).
	C8	Cyrix Corporation Manual, copyrighted 1996, 1997, and all underlying development work.
	C9	Deering, M., et al., "The Triangle Processor and Normal Vector Shader: A VLSI System for High Performance Graphics," 22 Computer Graphics No. 4 (ACM August 1988).
	C10	Donovan, W., et al., "Pixel Processing in a Memory Controller," (IEEE Computer Graphics and Applications 1995).
	C11	Dutton, T., "The Design of the DEC 3000 Model 500 AXP Workstation," (IEEE 1993).
	C12	Foley, James, D., et al., "Introduction to Computer Graphics," (Addison-Wesley Publishing Co. 1994) ("Introduction to Computer Graphics").
	C13	Gaibi, D., et al., "An MPEG-1 Audio/Video Decoder with Run-Length Compressed Antialiased Video Overlays," (1995 IEEE International Solid-State Circuits Conference).
	C14	Glaskowsky, Peter, "Cyrix Creates Ultimate CPU for Games," Microprocessor Report, December 8, 1997.
	C15	Glaskowsky, Peter, "Intel Displays 740 Graphics Chip: Auburn Sets New Standard for Quality - But Not Speed," Microprocessor Report No. 2, February 18, 1998.
	C16	Gwynn, L., "Verite: A Programmable 3D Chip: Rendition Uses Internal RISC CPU for Versatility, Performance," 10 Microprocessor Report No. 6, May 6, 1996.
	C17	Hosotani S., et al., "A Display Processor Conforming to all DTV Formats with 188-TAP FIR Filters and 284 Kb FIFO Memories," (IEEE 1997 (Manuscript received June 13, 1997)).
	C18	Knittel, G. & Straber, W., "VIZARD - Visualization Accelerator for Realtime Display," (Association for Computing Machinery SIGGRAPH/Eurographics Workshop 1997).
	C19	Lewis, R., et al., "Delivering PCI in HP B-Class and C-Class Workstations: A Case Study in the Challenges of Interfacing with Industry Standards," (Hewlett-Packard Journal May 1998).
	C20	Manepally, R. & Sprague, D., "Intel's i750 (R) Video Processor - The Programmable Solution," (IEEE 1991).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinda Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIFO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the filing must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIFO Standard St. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 6 Of 7

Complete if Known

Application Number	09/642,456
Filing Date	August 18, 2000
First Named Inventor	Alexander G. Macinnis
Group Art Unit	2628
Examiner Name	Brier, Jeffery A.
Attorney Docket Number	17419US01

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C21	McCormack, J., et al., "Neon: A Single-Chip 3D Workstation Graphics Accelerator," (SIGGRAPH Eurograph Workshop Graph Hardware August 31, - Sept. 1, 1998).
	C22	Normo, F. & Wawrzyniak, R., "A Multimedia-Enhanced x86 Processor, Digest of Technical Papers," (ISSCC96 (February 9, 1996)).
	C23	Oguchi, T., et al., "A Single-Chip Graphic Display Controller," (1981 IEEE International Solid-State Circuits Conference).
	C24	Seferman, Z., et al., "Advanced Graphics Behind Medical Virtual Reality: Evolution of Algorithms, Hardware, and Software Interfaces," 86 Proceedings of the IEEE No. 3 (IEEE March 1998 (Manuscript received July 3, 1997)).
	C25	Scott, N., et al., "An Overview of the VISUALIZE Graphics Accelerator Hardware," (Hewlett-Packard Journal May 1998) and all underlying development work ("HP").
	C26	Sumi, M., et al., "A 40-Mpixel/s Bit Block Transfer Graphics Processor," (IEEE 1989).
	C27	Foley, James D., et al., Computer Graphics: Principles and Practice, publication, 1996, 1990; The Systems Programming Series, 4 pages, Second Edition In C; Addison-Wesley Publishing Company, U.S.A.
	C28	Toolas, R., "The LR33020 GraphX Processor: A Single Chip X-Terminal Controller," (IEEE 1982).
	C29	Watkins, J., et al., "A Memory Controller with an Integrated Graphics Processor (IEEE 1993).
	C30	Yao, Yong, "Samsung Launches Media Processor: MSP Is Designed for Microsoft's New 3D-Software Architecture," 10 Microprocessor Report No. 11, August 26, 1996.
	C31	Yao, Yong, "Competition Heats Up In 3D Accelerators: Market Hungers for a Unified Multimedia Platform from Microsoft," 10 Microprocessor Report No. 15, November 18, 1996.
	C32	Yao, Yong, "Chromatic's Impact 2 Boosts 3D: Mpac/3000 Becomes First Media Processor to Ship in Volume," 10 Microprocessor Report No. 15, November 18, 1996.
	C33	Motrola, Inc. MC92100 "Scorpion" Graphics Display Generator, SDRAM Controller, and Digital Video Encoder, 1997, 6 pages.
	C34	Power TV, Inc., Eagle™ Graphics/Audio Media Compositor Data Sheet, Version 1.7, Feb. 27, 1997, pp. 63.
	C35	Berekovic, M. & Pirsch, P., "Architecture of a Coprocessor Module for Image Compositing," (IEEE 1998).
	C36	Blinn, J., "Compositing, Part I: Theory," (IEEE September 1994).
	C37	Blinn, Jim; Jim Blinn's Corner Dirty Pixels: publication; 1998; pp. 179-190; Chapter Sixteen; Morgan Kaufmann Publishers, Inc.; San Francisco, CA, U.S.A.
	C38	Jaspers, et al., "A Flexible Heterogeneous Video Processor System for Television Applications," (IEEE Sept. 25, 1996).
	C39	Li, R., et al., "A Flexible Display Module for DVD and Set-Top Box Applications," (IEEE Transactions on Consumer Electronics August 1997 (Manuscript received June 13, 1997)).
	C40	Ostermann, J., "Coding of Arbitrarily Shaped Objects with Binary and Greyscale Alpha-Maps: What Can MPEG-4 Do for You?," (Proceedings of the 1998 IEEE International Symposium on Circuits and Systems, May 31-June 3, 1998, Vol. 5).
	C41	Stylt, et al., "Three-Dimensional Medical Imaging: Algorithms and Computer Systems," (ACM Computing Surveys, December 1991).
	C42	Wang, J. & Adelson, E., "Representing Moving Images with Layers," (IEEE Transactions on Image Processing, September 1994).
	C43	Sun, Hui-fang et al., "A New Approach for Memory Efficient ATV Decoding," 1997 IEEE International Conference on Consumer Electronics, pp. 174-175, Los Angeles, 1997.

EXAMINER**DATE CONSIDERED**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

* Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov/mpep 901 04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary))		Application Number	09/642,458
		Filing Date	August 18, 2000
		First Named Inventor	Alexander G. Macinnis
		Group Art Unit	2628
		Examiner Name	Brier, Jeffery A.
Attorney Docket Number	17419US01		
Sheet	7	Of	7

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C44	Bao, Jay et al., "HDTV Down-Conversion Decoder," IEEE Transactions on Consumer Electronics, pp. 402-410, vol. 42, No. 3, Aug. 1996.
	C45	Mokry, Robert et al., "Minimal Error Drift in Frequency Scalability for Motion-Compensated DCT Coding," IEEE Transactions on Circuits and Systems for Video Technology, pp. 392-406, vol. 4, No. 4, Aug. 1994.
	C46	Vetro, Anthony et al., "Minimum Drift Architectures for 3-Layer Scalable DTV Decoding," IEEE Transactions on Consumer Electronics, pp. 527-536, vol. 44, No. 3, Aug. 1998.
	C47	Lee, Dong-Ho et al., "HDTV Video Decoder Which Can Be Implemented With Low Complexity," IEEE International Conference on Consumer Electronics, pp. 6-7, 1994.
	C48	Sun, Huiyang, "Hierarchical Decoder for MPEG Compressed Video Data," IEEE Transactions for Consumer Electronics, pp. 559-564, vol. 39, No. 3, Aug. 1993.
	C49	Yu, Haoping et al., "Block-Based Image Processor for Memory Efficient MPEG Video Decoding," 1999 IEEE International Conference on Consumer Electronics, pp. 114-115, 1999.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Exam Office that issued the document, by the two-letter code (WIPO Standard St.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Rev. Sept. 06

J:\CPEN\phi\Broadcom (1772)\Qualcomm\Litigation Statement & IDS Project\San Diego IV Litigation Statement & IDS\IDS & Litigation Statements\Fee\17419US01\17419US01_PTO\S\B08A